

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	17	US-3484498-\$ DID. OR US-5196624-\$ DID. OR US-5196625-\$ DID. OR US-5849972-\$ DID. OR US-6111158-\$ DID. OR US-6187981-\$ DID. OR US-6515169-\$ DID. OR US-3492364-\$ DID. OR US-6448458-\$ DID. OR US-6392109-\$ DID. OR US-3442965-\$ DID. OR US-3238249-\$ DID. OR US-4959491-\$ DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/02 11:21

## EAST Search History

S2	268	("2662090"   "2686195"   "2735862"   "2850515"   "2882244"   "3130007"   "3216789"   "3308069"   "3315009"   "3317628"   "3402217"   "3409703"   "3415736"   "3424815"   "3445541"   "3546102"   "3557242"   "3574092"   "3592870"   "3642661"   "3679575"   "3692470"   "3709979"   "3729428"   "3816555"   "3832449"   "3856876"   "3872026"   "3910869"   "3972983"   "4000211"   "4016245"   "4018711"   "4029719"   "4039302"   "4042614"   "4046533"   "4069273"   "4076842"   "4077995"   "4088671"   "4102817"   "4104320"   "4120882"   "4148833"   "4151190"   "4171320"   "4187197"   "4225743"   "4241036"   "4283305"   "4310440"   "4316851"   "4347121"   "4347394"   "4366087"   "4370224"   "4404415"   "4417083"   "4420649"   "4434311"   "4436946"   "4440871"   "4447316"   "4456527"   "4476344"   "4482646"   "4500651"   "4507517"   "4530824"   "4534853"   "4538012"   "4542251"   "4544539"   "4544674"   "4552731"   "4554143"   "4556477"   "4567029"   "4579986"   "4585747"   "4599474"   "4613580"   "4634518"   "4677241"   "4681865"   "4686093"   "4686316"   "4704487"   "4704493"   "4709108"   "4734537"   "4751342"   "4758419"   "4761512"   "4777319"   "4778942"   "4793984"   "4798911"   "4810357"   "4814533"   "4814534"   "4814538"   "4827066"   "4827072"   "4827667"   "4834977"   "4859422"   "4859442"   "4861743"   "4880764"   "4897253"   "4910006"   "4912280"   "4929792"   "4941981"   "4943424"   "4956517"   "4959491"   "4963337"   "4973779"   "4973785"   "4982047"   "5012027"   "5041402").PN. OR ("5053373"   "5073652"   "5073658"   "5087347"   "5091351"   "5096883"   "5102641"   "5106801"   "5108970"   "5113034"   "5134242"   "5143886"   "5146030"   "5158665"   "5169824"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/17 14:48
6/2/2006 4:57:21 PM						Page 2

## EAST Search History

S3	684	585/323.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:44
S11	0	WO-200403010-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/17 15:06
S12	25	585/323.ccls. and dimerization	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/17 16:01
S13	17	US-3484498-\$.DID. OR US-5196624-\$.DID. OR US-5196625-\$.DID. OR US-5849972-\$.DID. OR US-6111158-\$.DID. OR US-6187981-\$.DID. OR US-6515169-\$.DID. OR US-3492364-\$.DID. OR US-6448458-\$.DID. OR US-6392109-\$.DID. OR US-3442965-\$.DID. OR US-3238249-\$.DID. OR US-4959491-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 13:57
S14	11	S13 and isomerization	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:21
S15	17	US-3484498-\$.DID. OR US-5196624-\$.DID. OR US-5196625-\$.DID. OR US-5849972-\$.DID. OR US-6111158-\$.DID. OR US-6187981-\$.DID. OR US-6515169-\$.DID. OR US-3492364-\$.DID. OR US-6448458-\$.DID. OR US-6392109-\$.DID. OR US-3442965-\$.DID. OR US-3238249-\$.DID. OR US-4959491-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:21
S16	0	S15 and isomerization with alkylation with separation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:45
S17	4	S15 and isomerization with alkylation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:45
S18	684	585/323.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:23

## EAST Search History

S19	15	S18 and isomerization with alkylation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 11:45
S20	63	S18 and isomerization and alkylation and dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:32
S21	21	S18 and (olefins and paraffins) with isomerization and alkylation and dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:35
S22	8	S18 and (olefins and paraffins) with isomerization and alkylation with branched and dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:45
S23	1104	585/323,446,448.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 14:55
S24	0	S23 and isomerization with alkylation with separation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:45
S25	23	S23 and isomerization with alkylation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:45
S26	8	S23 and (olefins and paraffins) with isomerization and alkylation with branched and dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 18:46
S27	7	S23 and (olefins and paraffins) with isomerization and alkylation with branched and dehydrogenation with recycle	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 19:35
S28	0	WO-200244114-.did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 19:36
S29	0	WO-20024114-.did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 19:36
S30	1	WO-200244114-.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/18 19:36

## EAST Search History

S31	17	US-3484498-\$.DID. OR US-5196624-\$.DID. OR US-5196625-\$.DID. OR US-5849972-\$.DID. OR US-6111158-\$.DID. OR US-6187981-\$.DID. OR US-6515169-\$.DID. OR US-3492364-\$.DID. OR US-6448458-\$.DID. OR US-6392109-\$.DID. OR US-3442965-\$.DID. OR US-3238249-\$.DID. OR US-4959491-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:01
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S32	268	( "2662090"   "2686195"   "2735862"   "2850515"   "2882244"   "3130007"   "3216789"   "3308069"   "3315009"   "3317628"   "3402217"   "3409703"   "3415736"   "3424815"   "3445541"   "3546102"   "3557242"   "3574092"   "3592870"   "3642661"   "3679575"   "3692470"   "3709979"   "3729428"   "3816555"   "3832449"   "3856876"   "3872026"   "3910869"   "3972983"   "4000211"   "4016245"   "4018711"   "4029719"   "4039302"   "4042614"   "4046533"   "4069273"   "4076842"   "4077995"   "4088671"   "4102817"   "4104320"   "4120882"   "4148833"   "4151190"   "4171320"   "4187197"   "4225743"   "4241036"   "4283305"   "4310440"   "4316851"   "4347121"   "4347394"   "4366087"   "4370224"   "4404415"   "4417083"   "4420649"   "4434311"   "4436946"   "4440871"   "4447316"   "4456527"   "4476344"   "4482646"   "4500651"   "4507517"   "4530824"   "4534853"   "4538012"   "4542251"   "4544539"   "4544674"   "4552731"   "4554143"   "4556477"   "4567029"   "4579986"   "4585747"   "4599474"   "4613580"   "4634518"   "4677241"   "4681865"   "4686093"   "4686316"   "4704487"   "4704493"   "4709108"   "4734537"   "4751342"   "4758419"   "4761512"   "4777319"   "4778942"   "4793984"   "4798911"   "4810357"   "4814533"   "4814534"   "4814538"   "4827066"   "4827072"   "4827667"   "4834977"   "4859422"   "4859442"   "4861743"   "4880764"   "4897253"   "4910006"   "4912280"   "4929792"   "4941981"   "4943424"   "4956517"   "4959491"   "4963337"   "4973779"   "4973785"   "4982047"   "5012027"   "5041402").PN. OR ("5053373"   "5073652"   "5073658"   "5087347"   "5091351"   "5096883"   "5102641"   "5106801"   "5108970"   "5113034"   "5134242"   "5143886"   "5146030"   "5158665"   "5169824"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/22 14:55
6/2/2006 4:57:21 PM C:\Documents and Settings\douglas\My Documents\EAST\Workspaces\10772023.wsp		"5178748"   "5189012"   "5200101"   "5200377"   "5202014"   "5208005"   "5246566"   "5254514"			Page 6	

## EAST Search History

S33	1364	585/323,446,448.ccls. or S32 or S31	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:22
S34	0	S33 and alkyl adj aromatic and isomerization with alkylation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 14:56
S35	22	S33 and alkyl adj aromatic and isomerization with alkylation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:01
S36	0	S31 and alkyl adj aromatic and isomerization with alkylation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:03
S37	0	S31 and alkyl adj aromatic and isomerizat\$4 with alkylat\$4 with dehydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 13:48
S38	2	S31 and alkyl adj aromatic and isomerizat\$4 same alkylat\$4 same dehydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:04
S39	1	S31 and alkyl adj aromatic and olefin\$4 with paraffin\$4 with isomerizat\$4 and alkylat\$4 and dehydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:06
S40	15	S33 and alkyl adj aromatic and olefin\$4 with paraffin\$4 with isomerizat\$4 and alkylat\$4 and dehydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:06
S41	13	S33 and alkyl adj aromatic and olefin\$4 with paraffin\$4 with isomerizat\$4 and aromatic with alkylat\$4 and dehydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:07
S42	11	S33 and alkyl adj aromatic and olefin\$4 with paraffin\$4 with isomerizat\$4 and aromatic with alkylat\$4 and dehydrogenat\$4 with paraffin\$4 with olefin\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:07
S43	2838	585/323,446,448,455,740,750,751, 661,660.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:38
S44	3	585/323,446,448,455.ccls. and 585/740,750,751.ccls. and 585/661, 660.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:35
S45	6	585/323,446,448,455.ccls. and 585/734,740,750,751.ccls. and 585/654,661,660.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:36
S46	31	585/323,446,448,455,740,750,751, 661,660.ccls. and alkyl adj aromatic and isomerizat\$4 with alkylat\$4 with dehydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/22 15:38

## EAST Search History

S47	685	585/323.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 11:45
S48	5	S47 and olefins with paraffins with isomerization with alkylation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 11:46
S49	280	olefins with paraffins with isomerization and isomerization with alkylation with dehydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 11:46
S50	17	US-3484498-\$.DID. OR US-5196624-\$.DID. OR US-5196625-\$.DID. OR US-5849972-\$.DID. OR US-6111158-\$.DID. OR US-6187981-\$.DID. OR US-6515169-\$.DID. OR US-3492364-\$.DID. OR US-6448458-\$.DID. OR US-6392109-\$.DID. OR US-3442965-\$.DID. OR US-3238249-\$.DID. OR US-4959491-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 11:52
S51	2	S50 and aryl with aromatic	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 11:56

## EAST Search History

S52	269	("2662090"   "2686195"   "2735862"   "2850515"   "2882244"   "3130007"   "3216789"   "3308069"   "3315009"   "3317628"   "3402217"   "3409703"   "3415736"   "3424815"   "3445541"   "3546102"   "3557242"   "3574092"   "3592870"   "3642661"   "3679575"   "3692470"   "3709979"   "3729428"   "3816555"   "3832449"   "3856876"   "3872026"   "3910869"   "3972983"   "4000211"   "4016245"   "4018711"   "4029719"   "4039302"   "4042614"   "4046533"   "4069273"   "4076842"   "4077995"   "4088671"   "4102817"   "4104320"   "4120882"   "4148833"   "4151190"   "4171320"   "4187197"   "4225743"   "4241036"   "4283305"   "4310440"   "4316851"   "4347121"   "4347394"   "4366087"   "4370224"   "4404415"   "4417083"   "4420649"   "4434311"   "4436946"   "4440871"   "4447316"   "4456527"   "4476344"   "4482646"   "4500651"   "4507517"   "4530824"   "4534853"   "4538012"   "4542251"   "4544539"   "4544674"   "4552731"   "4554143"   "4556477"   "4567029"   "4579986"   "4585747"   "4599474"   "4613580"   "4634518"   "4677241"   "4681865"   "4686093"   "4686316"   "4704487"   "4704493"   "4709108"   "4734537"   "4751342"   "4758419"   "4761512"   "4777319"   "4778942"   "4793984"   "4798911"   "4810357"   "4814533"   "4814534"   "4814538"   "4827066"   "4827072"   "4827667"   "4834977"   "4859422"   "4859442"   "4861743"   "4880764"   "4897253"   "4910006"   "4912280"   "4929792"   "4941981"   "4943424"   "4956517"   "4959491"   "4963337"   "4973779"   "4973785"   "4982047"   "5012027"   "5041402").PN. OR ("5053373"   "5073652"   "5073658"   "5087347"   "5091351"   "5096883"   "5102641"   "5106801"   "5108970"   "5113034"   "5134242"   "5143886"   "5146030"   "5158665"   "5169824"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/01 11:56
6/2/2006 4:57:21 PM C:\Documents and Settings\louglas\My Documents\EAST\Workspaces\10772023.wsp		"5178748"   "5189012"   "5200101"   "5200377"   "5202014"   "5208005"   "5246566"   "5254514"				Page 9

## EAST Search History

S53	15	S52 and aryl with aromatic	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 11:56
S54	87	alkyl adj aromatic with alkylat\$4 and isomerizat\$4 with alkylat\$4 with dehydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 13:50
S55	685	585/323.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 13:48
S57	6	S54 and S55	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 13:49
S59	81	S55 and alkyl adj aromatic with alkylat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 13:51
S60	17	US-3484498-\$.DID. OR US-5196624-\$.DID. OR US-5196625-\$.DID. OR US-5849972-\$.DID. OR US-6111158-\$.DID. OR US-6187981-\$.DID. OR US-6515169-\$.DID. OR US-3492364-\$.DID. OR US-6448458-\$.DID. OR US-6392109-\$.DID. OR US-3442965-\$.DID. OR US-3238249-\$.DID. OR US-4959491-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 13:51
S61	1	S60 and alkyl adj aromatic with alkylat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 13:54
S62	5	S60 and alkyl adj aromatic	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 13:54
S63	4	S60 and branched adj alkyl	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/01 15:12
S64	17	US-3484498-\$.DID. OR US-5196624-\$.DID. OR US-5196625-\$.DID. OR US-5849972-\$.DID. OR US-6111158-\$.DID. OR US-6187981-\$.DID. OR US-6515169-\$.DID. OR US-3492364-\$.DID. OR US-6448458-\$.DID. OR US-6392109-\$.DID. OR US-3442965-\$.DID. OR US-3238249-\$.DID. OR US-4959491-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/02 11:21

## EAST Search History

S65	0	S64 and ratio with olefin with paraffin	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/02 11:38
S66	7	S64 and olefin with paraffin	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/02 11:22
S67	15	585/323.ccls. and ratio with olefin with paraffin	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/02 13:03
S68	1	("4008291").PN.	USPAT; USOCR	OR	OFF	2006/06/02 11:55
S69	1213	ratio with olefin with paraffin	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/02 13:03